

Product Name : Pelitinib
Synonyms : EKB-569;WAY-EKB 569;EKB569;EKB 569

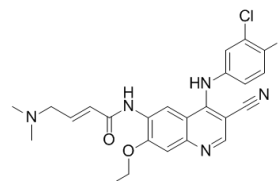
Cat No. : M13779

CAS Number : 257933-82-7

Molecular Formula : C₂₄H₂₃ClFN₅O₂

Formula Weight : 467.92

Chemical Name : 2-Butenamide, N-[4-[(3-chloro-4-fluorophenyl)amino]-3-cyano-7-ethoxy-6-quinoliny]-4-(dimethylamino)-, (2E)-



Description : A potent, selective, orally active, irreversible inhibitor of EGFR with IC₅₀ of 80 nM; inhibits autophosphorylation of the cytoplasmic domain of HER-2 with IC₅₀ of 1.23 μM; shows 1-3 orders of magnitude higher IC₅₀ value for Src, Cdk4, c-Met, Raf, and MEK/ERK; inhibits proliferation in NHEK, A431, and MDA-468 cells (IC₅₀= 61, 125, and 260 nM, respectively); potently inhibits the EGFR phosphorylation in A431 xenografts, suppresses tumorigenesis in APCMin/+ mice. Lung Cancer Phase 2 Clinical

Pathway : Angiogenesis

Target : EGFR

Receptor : EGFR;HER2/ErbB2;MEK;Raf;Src

Solubility : DMSO: 16 mg/mL

SMILES : O=C(NC1=C(OCC)C=C2N=CC(C#N)=C(NC3=CC=C(F)C(Cl)=C3)C2=C1)/C=C/CN(C)C

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Wissner A, et al. J Med Chem. 2003 Jan 2;46(1):49-63. | 2. Nunes M, et al. Mol Cancer Ther. 2004 Jan;3(1):21-7. | 3. Torrance CJ, et al. Nat Med. 2000 Sep;6(9):1024-8.